Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently amended) A distributed system comprising:

a plurality of cooperative processes running on a plurality of processors of a computer network to accomplish distributed transactions, each process logging, in a local resource, records of execution of the distributed transactions by the process on its processor;

a system synchronizer sending a timing message to be logged to the plurality of cooperative processes; and

a search engine running on each of the plurality of processors, each search engine retrieving corresponding records of execution in response to a query regarding any of the distributed transactions,

wherein each search engine generates indices of the records of execution in memory, and a portion of the indices are stored onto a storage medium after a specific time period; and the indices in memory and the portion of the indices stored onto the storage medium are merged subsequently into a single indexing file, and

wherein the indices of the record of execution are sorted by a specific key value.

2. (Original) A distributed system as in claim 1, wherein the query is issued to the processors as a distributed query.

3. (Withdrawn) A distributed system as in claim 1, wherein the query is issued from a client performing debugging of the distributed system.

4. (Withdrawn) A distributed system as in claim 1, wherein the query is issued from a client performing an audit trail of distributed transactions.

5. (Withdrawn) A distributed system as in claim 1, wherein the query is issued from a client performing monitoring of a manufacturing process.

6. (Withdrawn) A distributed system as in claim 1, wherein the query is issued from a client performing monitoring of a business process.

7. (Withdrawn) A distributed system as in claim 1, wherein the query is issued from a client performing application integration.

8. (Original) A distributed system as in claim 1, wherein the query is issued from a client which merges the results received from search engines responding to the query.

9. (Original) A distributed system as in claim 8, wherein the client applies program rules on the merged results to determine correct operation of the distributed system.

10-13. (Canceled).

14. (Currently amended) A method for analyzing a distributed system, comprising:

running a plurality of cooperative processes on a plurality of processors of a computer network to accomplish distributed transactions, each process logging, in a local resource, records of execution of the distributed transactions by the process on its processor;

sending a timing message to be logged to the plurality of cooperative processes; and

running a search engine on each of the plurality of processors, each search engine retrieving corresponding records of execution in response to a query regarding the distributed

transaction,

wherein each search engine generates indices of the records of execution in memory, and stores a portion of the indices onto a storage medium after a specific time period; and the indices in memory and the portion of the indices stored onto the storage medium are merged subsequently into a single indexing file, and

wherein the indices of the record of execution are sorted by a specific key value.

15. (Original) A method as in claim 14, wherein the query is issued to the processors as a distributed query.

16. (Withdrawn) A method as in claim 14, wherein the query is issued from a client performing debugging of the distributed system.

17. (Withdrawn) A method as in claim 14, wherein the query is issued from a client performing an audit trail of distributed transactions.

18. (Withdrawn) A method as in claim 14, wherein the query is issued from a client performing monitoring of a manufacturing process.

19. (Withdrawn) A method as in claim 14, wherein the query is issued from a client performing monitoring of a business process.

20. (Withdrawn) A method as in claim 14, wherein the query is issued from a client performing application integration.

21. (Original) A method as in claim 14, wherein the query is issued from a client, further comprising merging in the client the results received from search engines responding to the query.

22. (Original) A method as in claim 21, further comprising applying in the client program rules on the merged results to determine correct operation of the distributed system.

23-26. (Canceled).